

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

1. An applicator device for a product in which the device has a longitudinal axis X, the device comprising:

a support;

a lateral enclosure delimiting at least partially with the support a recess for the product, the lateral enclosure including at least one opening to provide access to the product at one end of the recess opposite the support, the enclosure being mounted on the support so as to be capable of sliding in the direction of axis X to move the enclosure relative to the product in the direction of the support; and

a closure cap removably mountable on the support.

2. A device according to claim 1, wherein the one end of the recess delimits an opening having a transverse cross-section substantially identical to a transverse cross-section of the enclosure to thereby allow a product in stick form to pass through said one end.

3. A device according to claim 1, wherein the one end of the recess includes a wall which is permeable to a product in fluid form.

4. A device according to claim 1, wherein the support includes a peripheral lip which slides in a leaktight manner on an inner surface of the enclosure.

5. A device according to claim 4, wherein the support includes a lower end of which at least a part projects axially beyond the cap when the cap is mounted in a closed position on said support.

6. A device according to claim 5, wherein the support includes attachment means to removably fix the closure cap on the support.

7. A device according to claim 6, wherein the support includes a transverse wall forming a bottom of the recess for the product, the transverse wall including at least one aperture extending therethrough.

8. A device according to claim 7, wherein the enclosure includes a flange on its inner surface, and wherein said enclosure is movable from a first end position to a second end position, and further wherein said flange bears against a first portion of said support at said first end position and said flange bears against a second portion of said support at said second end position.

9. A device according claim 8, wherein the product is one of a deodorant product, a moisturizing product, a sun protection product, a lipstick, a foundation, an eye shadow, a hair care product, and a hair coloring product.

10. A device according to claim 1, wherein the support includes a lower end of which at least a part projects axially beyond the cap when the cap is mounted in a closed position on said support.

11. A device according to claim 1, wherein the support includes attachment means to removably fix the closure cap on the support.

12. A device according to claim 1, wherein the support includes a transverse wall forming a bottom of the recess for the product, the transverse wall including at least one aperture extending therethrough.

13. A device according to claim 1, wherein the enclosure includes a flange on its inner surface, and wherein said enclosure is movable from a first end position to a second end position, and further wherein said flange bears against a first portion of said support at said first end position and said flange bears against a second portion of said support at said second end position.

14. A device according to claim 1, wherein the product is one of a deodorant product, a moisturizing product, a sun protection product, a lipstick, a foundation, an eye shadow, a hair care product, and a hair coloring product.

15. A device according to claim 1, wherein said product is a cosmetic product.

16. A device according to claim 1, wherein said support includes a first step, and wherein said lateral enclosure is slidable relative to said support between a first position at which a volume of said recess is at a maximum and a second position at which a volume of said recess is at a minimum, and wherein said lateral enclosure abuts against said first step in said second position.

17. A device according to claim 16, wherein said support further includes a second step, and wherein said cap abuts against said second step when said cap is mounted on said support.

18. A device according to claim 16, wherein said cap includes at least one notch such that when said cap is mounted on said support a portion of said support is exposed through said at least one notch.

19. A device according to claim 16, wherein a portion of said support is exposed when said lateral enclosure is in said first position and said lateral enclosure progressively

covers said portion of said support as said lateral enclosure is moved from said first position toward said second position.

20. A device according to claim 1, wherein said lateral enclosure has a non-circular cross-section such that a product disposed in said recess is substantially fixed with respect to said support.

21. An applicator device comprising:

a support;

a lateral enclosure at least partially delimiting a recess with said support, said lateral enclosure including at least one opening at a first end of said recess with said support closing a second end of said recess, and wherein said lateral enclosure is mounted on said support and is axially slidable relative to said support between a first position at which a volume of said recess is a maximum and a second position at which the volume of said recess is a minimum, and wherein a portion of said support is exposed when said lateral enclosure is in said first position and said lateral enclosure progressively covers said portion of said support as said lateral enclosure is moved from said first position toward said second position; and

a product disposed in said recess such that as said lateral enclosure is moved from said first position toward said second position said product is progressively exposed for application through said at least one opening.

22. A device according to claim 21, further including a cap removably mountable on said support and wherein when said cap is mounted on said support said cap covers said lateral enclosure.

23. A device according to claim 22, wherein said support includes a first step, and wherein when said lateral enclosure is in said second position said lateral enclosure abuts against said first step.

24. A device according to claim 23, wherein said support further includes a second step, and wherein said cap abuts against said second step when said cap is mounted on said support.

25. A device according to claim 23, wherein said portion of said support is disposed above said first step, and wherein said portion is completely covered by said lateral enclosure when said lateral enclosure is in said second position, and further wherein said second step is not covered by said lateral enclosure when said lateral enclosure is in said second position.

26. A device according to claim 23, wherein said cap includes at least one notch such that when said cap is mounted on said support, part of said support is exposed through said at least one notch.

27. A device according to claim 21, wherein said support includes a first step, and wherein when said lateral enclosure is in said second position said lateral enclosure abuts against said first step.

28. A device according to claim 27, wherein said lateral enclosure includes an inwardly protruding flange, and wherein said support includes a lip, and further wherein when said lateral enclosure is in said first position said inwardly protruding flange abuts against said lip.

29. A device according to claim 21, wherein said lateral enclosure includes an inwardly protruding flange, and wherein said support includes a lip, and further wherein when said lateral enclosure is in said first position said inwardly protruding flange abuts against said lip.

30. A device according to claim 21, wherein said support includes a transverse wall at said second end of said recess, said wall including at least one opening extending therethrough for filling said product into said recess.

31. A device according to claim 21, wherein said product comprises one of a deodorant product, a moisturizing product, a sun protection product, a lipstick, a foundation, an eye shadow, a hair care product, and a hair coloring product.

32. A device according to claim 21, wherein said product is substantially fixed in an axial direction with respect to said support.

33. A device according to claim 32, further including means for preventing rotation of said product with respect to said support.

34. A device according to claim 21, wherein said lateral enclosure has a non-circular cross-section.